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## Product Datasheet

### Human POLb(Polymerase DNA Directed Beta) ELISA Kit EBT-ELK4987

Article Name	Human POLb(Polymerase DNA Directed Beta) ELISA Kit
Biozol Catalog Number	EBT-ELK4987
Supplier Catalog Number	ELK4987
Alternative Catalog Number	EBT-ELK4987-96, EBT-ELK4987-48, EBT-ELK4987-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Human
Concentration	10 ng/mL
Range	0.16-10 ng/mL
Sensitivity	0.051 ng/mL
Samples	Tissue homogenates, cell lysates and other biological fluids.

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Enzyme & Kinase,. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human POLb. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human POLb. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human POLb, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm 10nm. The concentration of Human POLb in the samples is then determined by comparing the OD of the samples to the standard curve